

REMARKS

The Office Action mailed March 14, 2003, has been reviewed and carefully considered.

Claims 8 and 14 have been canceled without prejudice. Claims 1 and 15 - 17 have been amended. Claims 1-7, 9-13 and 15-19 are pending in this application.

Reconsideration of the above-identified application, as herein amended and in view of the following remarks, is respectfully requested.

Initially applicant acknowledges the Examiner's indication of allowable subject matter. In particular, claims 18 and 19 are allowable, and claims 5, 8-13 and 17 have been objected to and would be allowable if re-written to include the limitations of the base claim and any intervening claims.

Claims 1, 6 and 14 stand rejected under 35 U.S.C. §102(b) as being anticipated by Chiang (USP 5,535,150). Claim 1 has been amended to include the recitation of the processor being responsive to a sample spatial position index signal. Chiang does not disclose nor suggest this feature of applicant's claimed invention. Withdrawal of the rejection and early allowance of independent claim 1 and all dependent claims thereon is respectfully requested. Claim 14 has been canceled without prejudice.

Claims 2, 3, 4, 15 and 16 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chiang (USP 5,535,150) as applied to claim 1 and in further view of Feig et al. (USP 5,909,254). With respect to claims 2, 3, and 4, and applicant's amendment to independent claim 1, this rejection is now moot. Claims 15 and 16 have been amended.

With respect to claim 15, neither Chiang, nor Feig et al., taken singly or in any combination disclose or suggest the structurally factored matrix being comprised of "a coefficient weighting matrix employing factors derived based on a property including at least one of, (a) coefficient matrix row symmetry, and (b) coefficient matrix column symmetry."

With respect to claim 16, neither Chiang, nor Feig et al., taken singly or in any combination disclose or suggest the structurally factored matrix being "derived by at least one of (a) factoring a first coefficient weighting matrix with a common row

factor, and (b) factoring a first coefficient weighting matrix based on a property including at least one of, (i) coefficient matrix row symmetry, and (ii) coefficient matrix column symmetry." Withdrawal of the rejection and early allowance on the merits is respectfully requested.

Claims 7 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Chiang as applied to claim 1 and in further view of Arbeiter et al. (USP 6,295,322). In view of the amendment to claim 1, this rejection is considered moot.

In view of the foregoing, Applicant respectfully requests that the rejections of the claims set forth in the Office Action of March 14, 2003 be withdrawn, that pending claims 1-7, 9-13 and 15-19 be allowed, and that the case proceed to early issuance of Letters Patent in due course.

Please charge the fees for the addition of two (2) independent claims (\$172.00) and for the filing of a Petition to Revive (\$1330.00) to Deposit Account No. 07-0832.

Respectfully submitted,

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